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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/577,805	04/28/2006	Kenichiro Tada	046262-0134	6981
22428 7590 07/18/2007 FOLEY AND LARDNER LLP SUITE 500		EXAMINER		
		. •	SCHMIDT, KARI L	
3000 K STREET NW WASHINGTON, DC 20007		4	ART UNIT	PAPER NUMBER
			2139	
			MAIL DATE	DELIVERY MODE
			07/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application	n No.	Applicant(s)		
		10/577,80	95	TADA, KENICHIRO		
	Office Action Summary	Examiner		Art Unit		
		Kari L. Sch	nmidt	2139		
Period fo	The MAILING DATE of this communicati or Reply	on appears on the	cover sheet with the	correspondence address		
A SHI WHIC - Exter after - If NO - Failu Any I	ORTENED STATUTORY PERIOD FOR INCHEVER IS LONGER, FROM THE MAILING INTERPRETARIES IN A STATUTORY PERIOD FOR INCHEVER IS LONGER, FROM THE MAILING INTERPRETARIES IN A STATE IN A S	NG DATE OF TH CFR 1.136(a). In no eve tion. y period will apply and wi y statute, cause the appl	IIS COMMUNICATION, however, may a reply be to spire SIX (6) MONTHS from ication to become ABANDON	ON. Itimely filed in the mailing date of this communication. IED (35 U.S.C. § 133).		
Status						
1)🖂	Responsive to communication(s) filed or	n <u>28 April 2006</u> .	-			
·	<u> </u>	☑ This action is n	on-final.			
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice u	nder <i>Ex parte Qu</i>	ayle, 1935 C.D. 11, 4	153 O.G. 213.		
Dispositi	on of Claims					
5)□ 6)⊠ 7)□	Claim(s) <u>9-17</u> is/are pending in the application of the above claim(s) is/are w Claim(s) is/are allowed. Claim(s) <u>9-17</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction	ithdrawn from col				
Applicati	on Papers					
10)⊠	The specification is objected to by the Ex The drawing(s) filed on <u>28 April 2006</u> is/a Applicant may not request that any objection Replacement drawing sheet(s) including the The oath or declaration is objected to by	are: a)⊠ accepte to the drawing(s) b correction is require	e held in abeyance. S ed if the drawing(s) is o	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).		
Priority ι	ınder 35 U.S.C. § 119			. •		
12) <u> </u> a)	Acknowledgment is made of a claim for f All b) Some * c) None of: 1. Certified copies of the priority doci 2. Certified copies of the priority doci 3. Copies of the certified copies of the application from the International I	uments have bee uments have bee le priority docume Bureau (PCT Rule	n received. n received in Applica ents have been receive 17.2(a)).	ntion No ved in this National Stage		
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2) D Notic 3) D Infon	t (s) The of References Cited (PTO-892) The of Draftsperson's Patent Drawing Review (PTO-9 The of Disclosure Statement(s) (PTO/SB/08) The No(s)/Mail Date 4/28/2006	948)	4) Interview Summal Paper No(s)/Mail 5) Notice of Informal 6) Other:	Date :		

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 9-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Matsushita Denki Sangyo K. K. (JP 08-322034).

Claim 15

Sangyo discloses an encryption recording method comprising:

encryption processing including encrypting encoded data formed by an encoding block including at least an intraframe encoded image while changing an encryption key for at least one encryption block; and generating management information including key application information indicating number of encryption keys used in encrypting the encoded data and application range information indicating an application range for each of the encryption keys; and recording the encrypted encoded-data and the management information on a recording medium, wherein the encrypting includes encrypting, when encryption key change timing is in a middle of encryption of the intraframe encoded image, at least one intraframe encoded image with a single encryption key to prevent the encryption key from being changed in the middle of the encryption of the one intraframe encoded image, and the application range information includes key

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information indicating the encryption key, a key application start number indicating a start position of the encryption block where the key information is used, and number of the encryption keys used (see at least, [0006-0014]: 'line b indicates a state when a digital signal of GOP units is transmitted by being divided into TS packet units... number has been allocated to each GOP and Ts packet. The state when the three GOPs are transmitted by being divided into n TS packets including TS1 to TSn...when a digital signal is scrambled while updating scramble keys Ks1, Ks2... for each updating period of T1..."and Line c indicates a state on the transmission side when a digital signal is scrambled while updating scramble keys Ks1, Ks2, ... for each updating period T1. In an updating period T1 from time t1 to t5, the Ts packet to be transmitted is scrambled by the scrambled key Ks1 and between the times t5 and t7 the Ts packet to be transmitted is scrambled by the scramble key Ks2... and Line d indicates a timing of distributing the scramble key from the transmission side to the reception side... distributes the scramble key Ks2 in advance for a decoder allowing viewing/listening in the time t3...").

Claim 16

Sangyo discloses the encryption recording method according to claim 15, wherein the encrypting includes delaying, when encryption key change timing is in the middle of the encryption of the intraframe encoded image, the encryption key change timing to prevent the encryption key from being changed in the middle of the encryption of the intraframe encoded image (see at least, [0006], [0009]: 'line b indicates a state when a

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digital signal of GOP units is transmitted by being divided into TS packet units... number has been allocated to each GOP and Ts packet. The state when the three GOPs are transmitted by being divided into n TS packets including TS1 to TSn...when a digital signal is scrambled while updating scramble keys Ks1, Ks2... for each updating period of T1..." and Line d indicates a timing of distributing the scramble key from the transmission side to the reception side... distributes the scramble key Ks2 in advance for a decoder allowing viewing/listening in the time t3...")

Claim 17

Sangyo discloses the encryption recording method according to claim 15, further comprising: inserting, when the encryption key change timing is in a middle of encryption of the encoding block, dummy information right before the encoding block to prevent the encryption key from being changed in the middle of the encryption of the encoding block (see at least, [0012-0014]: "eliminate the time in which descrambling can be performed but image display is not possible in the waiting time needed from the start of reception by changing the channel (= dummy information) image display, and to be able to decrease the waiting time...")

Claims 9-14

The apparatus and method claims are one of the same therefore rejected for the same reason as the method claims above.

Conclusion

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The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Ishiguro (5,796,839) teaches encryption method, encryption apparatus, recording method, decoding method, decoding apparatus and recording medium.

Chen (US 2004/0228401 A1) teaches method and system for protecting image data in frame buffers of video compression systems.

Ishibashi (US 6,314,188 B1) teaches motion picture data encrypting method and computer system and motion picture data encoding/decoding apparatus to which encrypting method is applied.

Enarl (EP 0649261 A2) teaches image data processing and encrypting apparatus.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kari L. Schmidt whose telephone number is 571-270-1385. The examiner can normally be reached on Monday - Friday: 7:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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KS

TAGHI ARANI PRIMARY EXAMINER

6125/07